



**MIAMI-DADE COUNTY**  
**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY**  
**AFFAIRS (PERA)**  
**BOARD AND CODE ADMINISTRATION DIVISION**  
**NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Clopay Building Products Company**  
**8585 Duke Boulevard**  
**Mason, OH 45040**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Commercial Ribbed Steel Pan Sectional Garage Door up to 12'-2" Wide**

**APPROVAL DOCUMENT:** Drawing No. **102645**, titled "M/N, 524/520/C4ST/COST/224", sheet 1 of 1, dated 11/13/2002 with revision 5 dated 01/2012, prepared by Clopay Building Products Company, signed and sealed by Mark W. Westerfield, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # **08-0212.04** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
03/27/2012

**NOA No 12-0125.12**  
**Expiration Date: May 8, 2013**  
**Approval Date: April 5, 2012**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **102645**, titled "M/N 524/520/C4ST/COST/224", sheet 1 of 1, dated 11/13/2002 with revision 5 dated 01/2012, prepared by Clopay Building Products Company, signed and sealed by Mark W. Westerfield, P.E.

**B. TESTS *"Submitted under NOA # 08-0212.04"***

1. Test Report on Uniform Static Air Pressure Test per FBC, TAS 202, Large Missile Impact Test per FBC, TAS 201 and Cyclic Wind Pressure Test per FBC, TAS 203, of "Specimen A, B, C, 14'-2" x 8' 24 gauge galvanized steel garage door drawing 103288" by American Test Lab, Inc, Test Report No. **1018.01-04**, dated 12/10/2004, signed and sealed by David W. Johnson, P.E.
2. Addendum to Test Report No. **1018.01-04**, dated 07/11/2005, signed and sealed by David W. Johnson, P.E.

**C. CALCULATIONS *"Submitted under NOA # 08-0212.04"***

1. Fastener attachment calculations prepared by Clopay Building Products Company, dated 01/19/2003, signed and sealed by Mark W. Westerfield, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**


1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2007 and 2010 FBC, dated 01/19/2012, signed and sealed by Mark W. Westerfield, P.E.

***"Submitted under NOA # 08-0212.04"***

2. No financial interest letter prepared & signed by Mark W. Westerfield and notarized by S. E. Rodenhauser.

  
03/27/2012

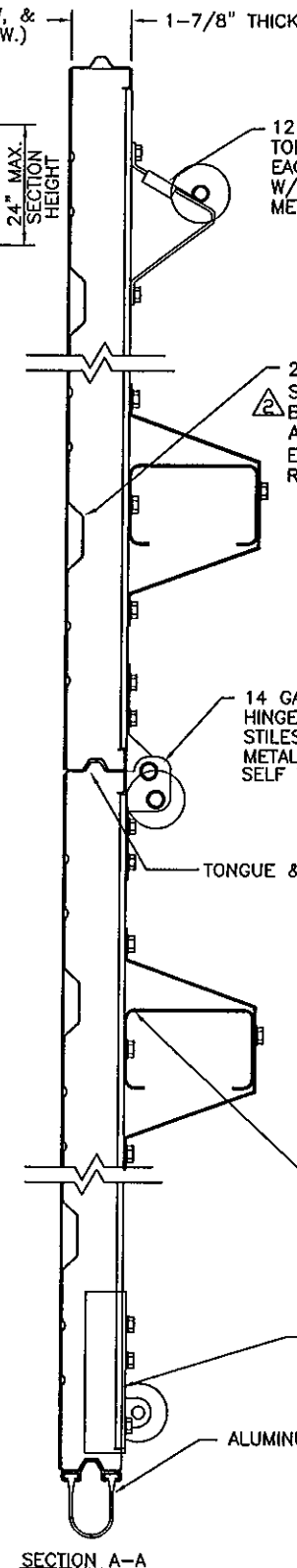
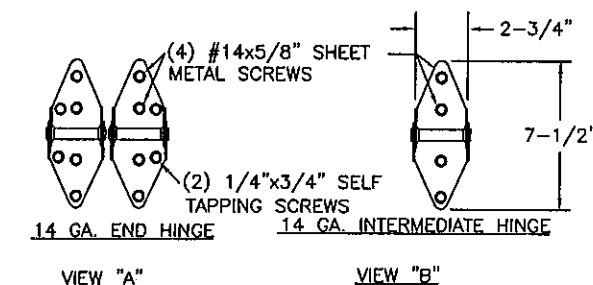
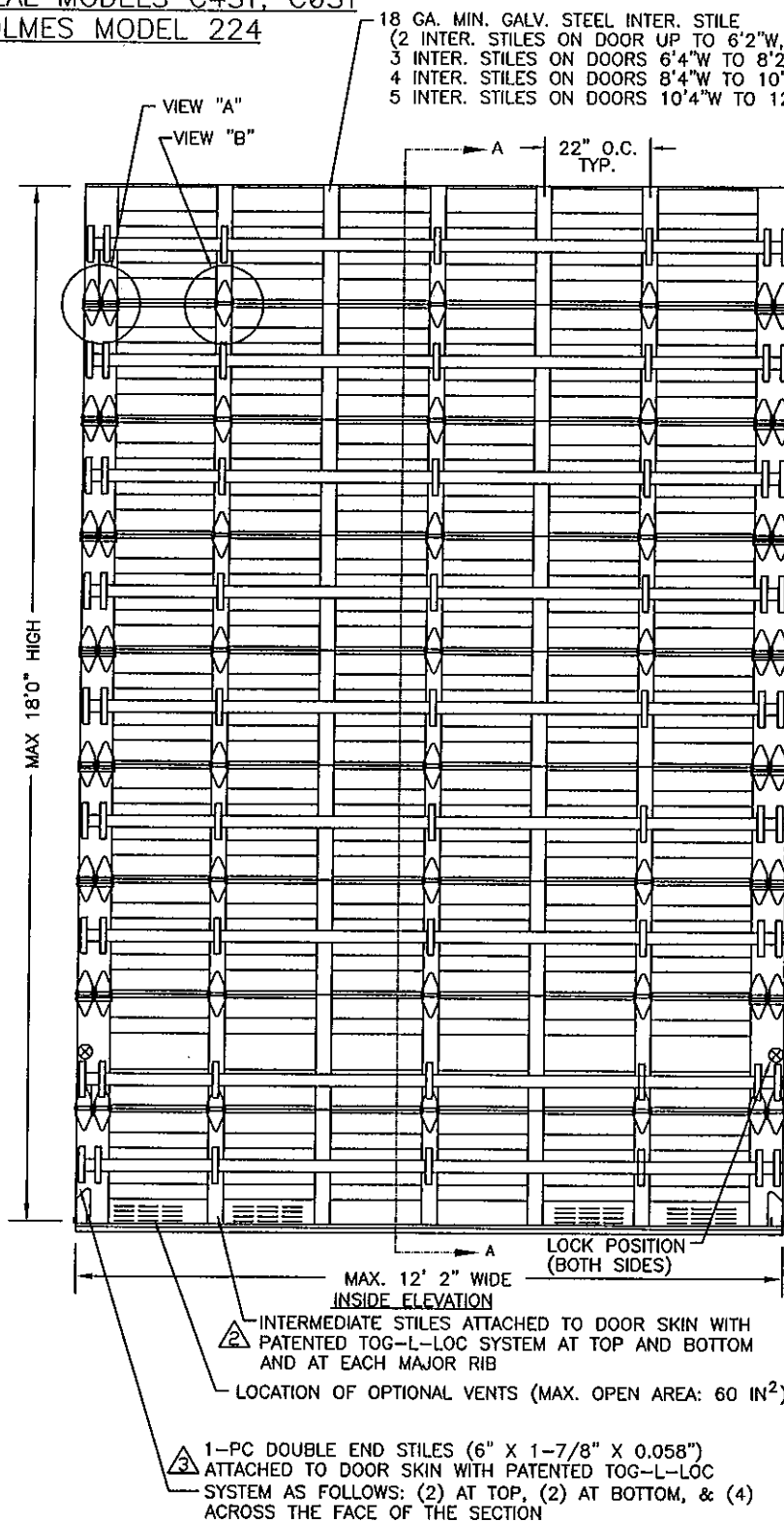
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 12-0125.12

Expiration Date: May 8, 2013  
Approval Date: April 5, 2012

CLOPAY MODELS 524, 520  
IDEAL MODELS C4ST, C0ST  
HOLMES MODEL 224

MODELS 520, C0ST: 20 GA STEEL SKIN  
MODELS 524, C4ST, 224: 24 GA STEEL SKIN

REV	DATE	DESCRIPTION
1	4/2003	MISC. EDITORIAL REVISIONS
2	2/2005	REMOVED RIVET FROM INTER. STILE, SKIN MIN YIELD WAS 42.8 KSI, WAS 2-PC DES
3	7/2005	UPDATED PER M-D COMMENTS
4	9/2005	CORRECTED 'JAMB CONFIGURATION' TO PROPERLY SHOW 1-PC DES
5	1/2012	AFFIRMED COMPLIANCE WITH 2010 FBC



DESIGN ENGINEER  
MARK W. WESTERFIELD, P.E.  
MECHANICAL ENGINEERING  
FLORIDA REGISTRATION No. 48495

THE SUPPORTING STRUCTURAL ELEMENTS ARE TO BE  
DESIGNED BY THE BUILDING ARCHITECT OR ENGINEER  
OF RECORD FOR THE LOADS SHOWN ON THIS DRAWING.

CONTINUOUS ANGLE ATTACHED CAN BE ATTACHED  
DIRECTLY TO 2x6 SYP (#2 OR BETTER) WOOD  
JAMBS WITH 5/16x1-5/8" LAG SCREWS. LAG  
SCREWS POSITIONED AT SAME LOCATIONS AS TRACK  
CLIPS (I.E. LOCATED AT 3-1/2", 10", THEN 12" TO  
14" ON-CENTER THEREAFTER). WOOD JAMBS MOUNTED  
TO SUPPORTING STRUCTURE WITH WEJ-IT SLEEVE ANCHORS  
OR ITW TAPCON SCREWS AS SHOWN BELOW.

.100" THICK GALV. STEEL CONTINUOUS ANGLE  
TRACK FASTENED TO VERTICAL JAMBS WITH EITHER  
3/8" x 2-1/2" WEJ-IT SLEEVE ANCHORS (GROUT-FILLED BLOCK  
OR 3,000 PSI MIN. CONCRETE) OR 1/4" x 1-3/4"  
EMBED ITW TAPCON SCREWS (3,000 PSI MIN. CONCRETE).  
SEE NOTE BELOW FOR ANCHOR SPACING AND  
FOR INSTALLING ANCHORS THROUGH OR INTO 2x6 WOOD.

2" GALV. STEEL TRACK FASTENED  
TO 12 GA. GALV. STEEL TRACK CLIPS.  
TRACK ATTACHED TO EACH CLIP  
WITH ONE 1/4"x5/8" BOLT & NUT.  
EACH TRACK CLIP ATTACHED TO  
CONTINUOUS ANGLE WITH  
(2) 1/4" DIA. RIVETS PER CLIP.

SLIDE BOLT LOCK  
ENGAGES INTO VERTICAL  
TRACK. ONE LOCK ON  
EACH SIDE OF DOOR.  
7/8" x .139" x 2.64"  
THROW BAR. LOCK CONNECTED  
TO END STILES WITH W/(4)  
1/4" x 3/4" SELF TAPPING SCREWS.

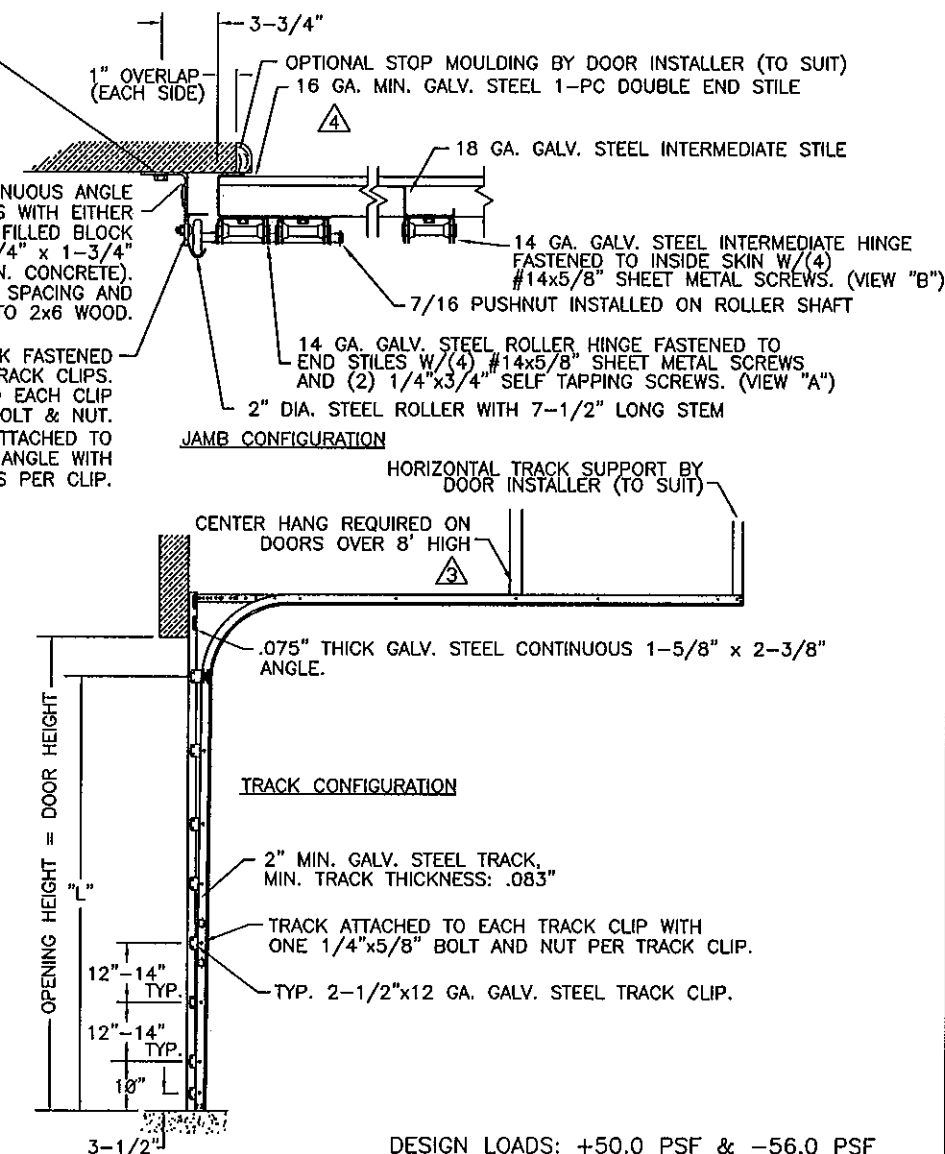
14 GA. GALV. STEEL ROLLER (END)  
HINGE. EACH FASTENED TO END  
STILES W/(4) #14x5/8" SHEET  
METAL SCREWS AND W/(4) 1/4"x3/4"  
SELF TAPPING SCREWS.

(1) 4" TALL x 2-1/2" WIDE x 14 GA. GALV. C-CHANNEL PER DOOR SECTION,  
FASTENED TO DOOR AT STILE LOCATIONS: BY ONE 1/4"x3/4" SELF TAPPING  
SCREW AND BY (7) 1-1/4" WIDE MIN. x 16 GA. GALV. STEEL STRAPS  
WITH 1/4" x 3/4" SELF TAPPING SCREWS. STRAPS ARE ATTACHED  
TO STILE WITH (2) SELF TAPPING SCREWS AND TO SECTION  
WITH (1) SELF TAPPING SCREW TO C-CHANNEL.

12 GA. MIN. GALV. STEEL BOTTOM BRACKET.  
ATTACHED W/(4) #14x5/8" SHEET METAL SCREWS.  
& 12 GA. MIN. GALV. STEEL INNER BOTTOM  
BRACKETS ATTACHED W/(2) #14x5/8 SMS.

NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED, HOWEVER,  
IF DESIRED ON CONCRETE OR BLOCK WALLS, SLEEVE  
ANCHORS OR TAPCONS SHOULD BE INCREASED IN LENGTH BY  
1-1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND  
2x6 WOOD JAMBS INTO THE CONCRETE OR BLOCK WALLS.  
ANCHORS CAN BE (BUT NOT REQUIRED TO BE) COUNTERSUNK  
TO PROVIDE A FLUSH MOUNTING SURFACE.  
CONTINUOUS ANGLE TRACK CAN BE ANCHORED DIRECTLY TO GROUT  
REINFORCED BLOCK WALL OR 3,000 PSI MIN. CONCRETE COLUMN.

BLOCK CELLS SHALL BE FILLED WITH CONCRETE AND  
REINFORCED WITH CONTINUOUS #5 BAR EXTENDING  
INTO THE FOOTING AND INTO TIE BEAMS. ANCHORS CAN  
BE 3/8" x 2-1/2" WEJ-IT SLEEVE ANCHORS (GROUT-FILLED BLOCK OR 3,000 PSI  
MIN. CONCRETE WITH 3-3/4" MIN. EDGE DISTANCE) OR 1/4" x 1-3/4" EMBED ITW TAPCONS  
3,000 PSI MIN. CONCRETE). ANCHORS POSITIONED AT SAME LOCATIONS AS  
TRACK CLIPS (I.E. ANCHORS LOCATED STARTING FROM BOTTOM  
AT 3-1/2", 10", THEN 12" TO 14" ON-CENTER THEREAFTER).



DESIGN LOADS: +50.0 PSF & -56.0 PSF

*Mark Westerfield*  
1/19/12

THIS PRODUCT CONFORMS TO  
THE REQUIREMENTS OF THE 2007  
AND 2010 FBC.

**Clopay**  
Building Products  
Company

CLOPAY BUILDING PRODUCTS COMPANY  
8585 DUKE BLVD.  
MASON, OH 45040  
(513) 770 - 4800

SCALE:	WINDLOAD RATING	MAXIMUM DOOR SIZE
DATE: 11/13/02	W8	12'2"W x 18'0"H
DRAWN BY: RJK	DESCRIPTION: M/N 524/520/C4ST/C0ST/224	
CHECKED BY: MWW	B	102645 MD 5